WHAT IS CLAIMED IS:

1.   An electroplating experiment management apparatus comprising:

an input means for inputting experimental conditions;

a predicted value calculation data storage means for storing in advance physical property value data and arithmetic expression data usable to work out predicted values of experimental results from said experimental conditions;

a predicted value calculation means for working out the predicted values of the experimental results from said experimental conditions using the physical property value data and the arithmetic expression data read out from said predicted value calculation data storage means;

an experimental data obtaining means for obtaining experimental data;

an experimental data analysis mean for working out experimental data at each point of time during an experiment based upon analysis of said experimental data obtained by said experiment data obtaining means;

an experimental data recording means for recording said experimental data; and

an output means for outputting said experimental conditions, said predicted values, and said experimental data.

2.   An electroplating experiment management program for managing an electroplating experiment, said program allowing a computer to operate as:

an input means for inputting experimental conditions;

a predicted value calculation data storage means for storing in advance physical property value data and arithmetic expression data usable to work out predicted values of experimental results from said experimental conditions;

a predicted value calculation means for working out the predicted values of the experimental results from said experimental conditions using the physical property value data and the arithmetic expression data read out from said predicted value calculation data storage means;

5   an experimental data obtaining means for obtaining experimental data;

an experimental data analysis mean for working out experimental data at each point of time during an experiment based upon analysis of said experimental data obtained by said experimental data obtaining means;

an experimental data recording means for recording said experimental data; and

10   data; and

an output means for outputting said experimental conditions, said predicted values, and said experimental data.